

Parameter	Value	Unit
Initial temperature	25.0	°C
Final temperature	25.0	°C
Initial pressure	1.013	bar
Final pressure	1.013	bar
Initial volume	0.001	m³
Final volume	0.001	m³
Initial mass	0.001	kg
Final mass	0.001	kg
Initial density	1000	kg/m³
Final density	1000	kg/m³
Initial viscosity	0.001	Pa·s
Final viscosity	0.001	Pa·s
Initial thermal conductivity	0.6	W/m·K
Final thermal conductivity	0.6	W/m·K
Initial specific heat capacity	4182	J/kg·K
Final specific heat capacity	4182	J/kg·K
Initial enthalpy	4182	J/kg
Final enthalpy	4182	J/kg
Initial entropy	1.306	J/kg·K
Final entropy	1.306	J/kg·K
Initial internal energy	1674	J/kg
Final internal energy	1674	J/kg
Initial Gibbs free energy	-1674	J/kg
Final Gibbs free energy	-1674	J/kg
Initial Helmholtz free energy	-1674	J/kg
Final Helmholtz free energy	-1674	J/kg
Initial chemical potential	-1674	J/kg
Final chemical potential	-1674	J/kg
Initial activity	1.0	
Final activity	1.0	
Initial fugacity	1.013	bar
Final fugacity	1.013	bar
Initial vapor pressure	0.003	bar
Final vapor pressure	0.003	bar
Initial saturation pressure	0.003	bar
Final saturation pressure	0.003	bar
Initial critical pressure	37.7	bar
Final critical pressure	37.7	bar
Initial critical temperature	374.15	°C
Final critical temperature	374.15	°C
Initial critical density	322	kg/m³
Final critical density	322	kg/m³
Initial critical viscosity	0.055	Pa·s
Final critical viscosity	0.055	Pa·s
Initial critical thermal conductivity	0.12	W/m·K
Final critical thermal conductivity	0.12	W/m·K
Initial critical specific heat capacity	1980	J/kg·K
Final critical specific heat capacity	1980	J/kg·K
Initial critical enthalpy	2089	J/kg
Final critical enthalpy	2089	J/kg
Initial critical entropy	4.215	J/kg·K
Final critical entropy	4.215	J/kg·K
Initial critical internal energy	1929	J/kg
Final critical internal energy	1929	J/kg
Initial critical Gibbs free energy	-1929	J/kg
Final critical Gibbs free energy	-1929	J/kg
Initial critical Helmholtz free energy	-1929	J/kg
Final critical Helmholtz free energy	-1929	J/kg
Initial critical chemical potential	-1929	J/kg
Final critical chemical potential	-1929	J/kg
Initial critical activity	1.0	
Final critical activity	1.0	
Initial critical fugacity	37.7	bar
Final critical fugacity	37.7	bar
Initial critical vapor pressure	37.7	bar
Final critical vapor pressure	37.7	bar
Initial critical saturation pressure	37.7	bar
Final critical saturation pressure	37.7	bar

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